

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/018389

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K31/415 C07D231/14 A61P3/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61K C07D A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data, BEILSTEIN Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 02/22601 A (VERTEX PHARM INC (US)) 21 March 2002 (2002-03-21) page 3, line 29 page 69, line 25 page 82; compounds III-72, III-73 page 86; compounds III-122 page 306; example 301 claims 1,14</p> <p style="text-align: center;">----- -/--</p>	1-149

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the International search

29 November 2004

Date of mailing of the International search report

10/12/2004

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/018389

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; 1973, CARLSON, LARS A. ET AL: "Potential hypolipidemic agents. III. Heterocyclic compounds affecting free fatty acid mobilization in vivo" XP002307820 retrieved from STN Database accession no. 1973:67618 abstract & ACTA PHARMACEUTICA SUECICA , 9(4), 289-304 CODEN: APSXAS; ISSN: 0001-6675, 1972,</p>	1-149
X	<p>DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; 27 June 1988 (1988-06-27), XP002307821 Database accession no. BRN: 4041 abstract & MUGNAINI ET AL.: ATTI ACCAD. NAZ. LINCEI CL. SCI. FIS. MAT. NAT. REND., vol. 8, no. 14, 1953, pages 95-278, pages 95, 97, 275, 277, 278</p>	1-86
X	<p>DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; 27 June 1988 (1988-06-27), XP002307822 Database accession no. BRN: 4559 abstract & HUETTEL ET AL.: CHEM. BER., vol. 74, 1941, pages 1680-1685,</p>	1-86
X	<p>DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; 27 June 1988 (1988-06-27), XP002307823 Database accession no. BRN:6714 abstract & PANIZZI ET AL.: GAZZ. CHIM. ITAL., vol. 76, 1946, pages 66-70,</p>	1-86
X	<p>DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; 27 June 1988 (1988-06-27), XP002307824 Database accession no. BRN: 7637 abstract</p> <p style="text-align: center;">-/--</p>	1-86

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/018389

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>& MELANI ET AL.: J. HETEROCYCL. CHEM., vol. 21, 1984, pages 813-816, -----</p> <p>DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; 27 June 1988 (1988-06-27), XP002307825 Database accession no. BRN: 10453 abstract & KLAGES ET AL: J. PRAKT. CHEM., vol. 2, no. 65, 1902, page 389, -----</p>	1-86
X	<p>DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; 27 June 1988 (1988-06-27), XP002307826 Database accession no. BRN: 10958 abstract & HANDBOOK, 1988, -----</p>	1-86
X	<p>DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; 27 June 1988 (1988-06-27), XP002307827 Database accession no. BR: 180956 abstract & OWEN ET AL.: J. CHEM. SOC., 1947, page 1033, -----</p>	1-86
X	<p>DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; 27 June 1988 (1988-06-27), XP002307828 Database accession no. BRN: 14055 abstract & HANDBOOK, 1988, -----</p>	1-86
X	<p>DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; 27 June 1988 (1988-06-27), XP002307829 Database accession no. BRN: 14047 abstract & KLAGES ET AL.: J. PRAKT. CHEM., vol. 2, no. 65, 1902, page 289, -----</p> <p style="text-align: center;">-/--</p>	1-86

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/018389

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; 2 December 1991 (1991-12-02), XP002307830 Database accession no. BRN: 4394165 abstract & ABDALLAH ET AL.: TETRAHEDRON LETT., vol. 21, 1980, pages 2239-2242,</p>	1-86
X	<p>WISE ET AL.: "Molecular Identification of High and Low Affinity Receptors for Nicotinic Acid" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 278, no. 11, 9 January 2003 (2003-01-09), pages 9869-9874, XP002307819 5-methyl pyrazole-3-carboxylic acid, table II, page 9873</p>	1-149
X	<p>GB 1 048 104 A (UPJOHN CO (US)) 9 November 1966 (1966-11-09) page 1, line 11 - line 18</p>	1-149
A	<p>WO 00/69849 A (ORTHO MCNEIL PHARM INC (US)) 23 November 2000 (2000-11-23) claims 1,15</p>	1-149
P,X	<p>WO 03/099793 A (TAKEDA CHEM IND LTD (JP)) 4 December 2003 (2003-12-04) methyl 3-benzyloxy-1H-pyrazole-5- carboxylate, reference example 206, p. 217, l. 30-31</p>	1-86
P,A	<p>page 1, paragraph 1 page 294 - page 295; examples 7,8 claims 1,4,10,21</p>	87-149
P,A	<p>WO 2004/033431 A (ARENA PHARM INC (US)) 22 April 2004 (2004-04-22) page 1, paragraph 1 claim 1</p>	1-149
P,A	<p>WO 2004/032928 A (ARENA PHARM INC (US)) 22 April 2004 (2004-04-22) page 1, paragraph 1 claim 1</p>	1-149

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2004/018389

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 110-120 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/018389

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/018389

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